



COPY

Serial No. 91/620,783 File No. 10535 / 2052 By: eReg/MAT

Title: Linkage of Agents Using Micro particles
Application of J. Green et al. WGS Date: 11/11/04

The U.S. PTO Mail Room acknowledges receipt of the following on the date stamped hereon:

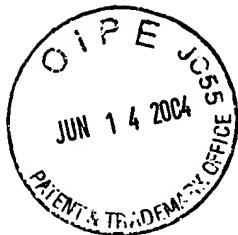
- Mailing by Express Mail (37 CFR 1.10)
 Express Mail Label No. _____
 Patent Application
 Non-provisional Provisional
Incl. _____ pages, (pgs) Specification, (pgs) Claims (# claims)
 Abstract, (pgs)
 Design Patent Application
 Declaration(s)
 Drawings _____ Sheets(s) (FIGS. _____)
 Formal Informal
 Utility Patent Application Transmittal
 Fee calculation sheet (x2)
 CPA Transmittal
 Verified Statement claiming small entity status
 Assignment and Cover Sheet

- Other Prelled Applications (4)

- Provisional Application Cover Sheet
 Multiple Dependent Claim Fee Sheet
 Inf. Discr. Statement, PTO Form 1449
 References Cited
 Priority Document(s) # _____
 Copy of Notice to File Missing Parts
 Amendment/Response
 Petition for Ext. of Time (x2)
 Issue Fee Transmittal
 Letter to Official Draftsperson
 Notice of Appeal
 Brief (x3)
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 Transmittal Letter F21
 Cert. of Mailing under 37 CFR 1.8(a)

- 12/10/04*
PTO-104
12/10/04
PTO-104

DATE MAILED April 10, 2004



ATTORNEY'S DOCKET NO: H0535/7012/ERG/MAT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Howard Green, et al.
Serial No: 09/620,783
Filed: July 21, 2000
For: LINKAGE OF AGENTS USING MICROPARTICLES
Examiner: Not yet assigned
Art Unit: 1651

COPY

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on the 10 day of April, 2001.

Maryanne Trevisan

Maryanne Trevisan

Commissioner for Patents
Washington, D.C. 20231

STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

This Information Disclosure Statement has been filed more than three months after the filing date of this application but prior to the mailing date of the first Office Action. No fee is required.

Other Information

The Applicant hereby makes the following additional information of record in the above-identified application:

Applicant brings to Examiner's attention the existence of related applications:

Docket No.	Serial No.	Filing Date	Status
H0535/7001	08/245,601	05/18/94	Issued 5,525,336
H0535/7005	08/925,900	09/09/97	Pending
H0535/7007	09/234,358	01/20/99	Allowed
H0535/7009	09/359,920	07/22/99	Pending

Although these applications may not claim priority to one another, the inventor of this application is an inventor of one or more of the above-identified applications.

**EXPLANATION OF NON-ENGLISH LANGUAGE REFERENCES AND
REMARKS CONCERNING OTHER INFORMATION CITED**

The following is a concise explanation of the relevance of each non-English language reference listed on the attached form PTO-1449 (modified):

French Patent Publications

EP 0285 474 "Skin Equivalent" was identified by the European Patent Examining Authority as an "X" reference with respect to claims 1 and 2 in PCT publication no. WO 94/18945. An English language translation of those portions which are relevant to the patentability of the claimed invention was submitted to the USPTO in the priority application Serial No. 09/359,920, filed July 22, 1999. Also submitted was Australian patent publication AU-A-13742 (in English) which corresponds to EP 0285 474.

EP 0511 116 "Antigens Recognized by Antibodies Found in Patient with Rheumatoid Arthritis, their Preparations and their Applications," was identified by the European Patent Examining Authority as an "X" reference with respect to PCT claims 26-30 in PCT publication no. WO 94/18945. Applicants bring to the Examiner's attention that these claims were directed to "modified corneocyte proteins or polypeptide fragments." An English language translation of those portions which are relevant to the patentability of the claimed invention was submitted to the USPTO in the priority application Serial No. 09/359,920, filed July 22, 1999.

Japanese Patent Publications

English language translations of portions of the Japanese patent applications are attached to the Japanese patent applications.

JP Application No. TOKU KAI HEI 5-56785 describes the nucleotide sequence of DNA encoding a human epidermis transglutaminase.

JP Application No. HEI 2-204407 describes hair cosmetic formulations containing transglutaminase extracted from guinea pig liver and hydrophilic polyalcohols.

JP Application No. HEI 3-38511 describes an ointment which contains transglutaminase that is obtained from the livers of animals.

JP Application No. SHOU 61-172807 describes cosmetic formulations containing proteins that have been crosslinked in solution by transglutaminase.

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

A copy of each of the above-identified information is enclosed unless otherwise indicated on the attached form PTO-1449 (modified). It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

WOLF, GREENFIELD & SACKS, P.C.

By Edward R. Gates

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ATTORNEY'S DOCKET NO.: H0535/7012
DATE: April 16, 2001
XNDD

U.S. PATENT DOCUMENTS

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYY
		Number	Kind Code		
	*	4,279,996		Yoshioko, et al.	07/21/81
	*	4,338,214		Fischer, et al.	07/06/82
	*	4,369,037		Matsunaga, et al.	01/18/83
	*	4,517,175		Iwabuchi, et al.	05/14/85
	*	4,699,778		Marty	10/13/87
	*	4,705,682		Mueller, et al.	11/10/87
	*	4,726,942		Lang, et al	02/23/88
	*	4,832,946		Green	05/23/89
	*	4,839,168		Abe, et al.	06/13/89
	*	4,879,116		Fox, et al.	11/07/89
	*	4,885,169		Gazzani	12/05/89
	*	4,973,473		Schneider, et al.	11/27/90
	*	5,075,019		Evans, et al.	12/24/91
	*	5,080,888		Grollier, et al.	01/14/92
	*	5,091,173		Buultjens, et al.	02/25/92
	*	5,100,956		O'Lenick, Jr.	03/31/92
	*	5,135,913		Pickart	08/04/92
	*	5,156,956		Abrahmsen, et al.	10/20/92
	*	5,525,336		Green, et al.	06/11/96

FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
	*		AU-A-13742				
	*		DE19647863A				
	*		EP 0285 474				
	*		EP 0481 504				
	*		EP 0511 116				
	*		EP 0704 221				
	*		FR 2659352				
	*		JP 03038511				
	*		JP 03083908				
	*		JP 05085924				
	*		JP 2-204407				
	*		JP 5-56785				
	*		JP 02169511				
	*		JP 61172807				
	*		WO 92/12238				
	*		WO 94/23738				
	*		WO 98/13381				
	*		WO 95/24929				
	*		WO 96/11990				
	*		WO 94/18945				
			WO 01/06829				
			WO 01/07009				

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*	<i>Women's Wear Daily</i> , pg. 6 (Abstract) (1992)	
	*	Banks-Schlegal, <i>J. of Cell Biology</i> , 90:732, 737 (1981).	
	*	Davies, et al., <i>Adv. Exp. Med. Biol.</i> 250, 391-401 (1988)	
	*	Eckert, <i>Cell</i> , 46:583-589 (1986).	
	*	Etoh, <i>Biochem. Biophys Res Comm</i> , 136:51-56 (1986).	
	*	Fietz, <i>J. of Cell Biol.</i> , 110:427-436 (1990).	
	*	Folk 17A: 889-894, (1970) Tabor, H and C. Tabor Eds..	
	*	Green, <i>Cell</i> , 11:405-416 (1977).	
	*	Greenberg, <i>FASEB J.</i> , 5:3071-3077 (1991).	
	*	Highley, <i>Cosmetics & Toiletries</i> , 99:57-62 (1984).	
	*	Hohl, <i>J. of Biol. Chem.</i> , 266:6626-6636 (1991).	
	*	Hohl, <i>Dermatologica</i> , 180:201-211 (1990).	
	*	Kahlem, et al., <i>Proc. Natl. Acad. Sci. USA</i> , 93:14580-14585 (1996)	
	*	Kvedar, <i>Differentiation</i> , 49:195-204 (1992).	
	*	Lajemi, M., et al., <i>Histochemical Journal</i> 29:593-606 (1997)	
	*	Markova, <i>Mol and Cell Biol</i> , 13:613-625 (1993).	
	*	Marvin, <i>Biochem.</i> , 89:11029-11030 (1992).	
	*	Mehrel, <i>Cell</i> , 61:1103-1112 (1990).	
	*	Phillips, <i>Biochem.</i> , 87:9333-9337 (1990).	
	*	Pober, et al., <i>Biochem.</i> , 17:11:2163-2169 (1978)	

	*	Rialdi et al., <i>Cosmetics & Toiletries</i> , 103:89-94 (1988).		
	*	Rice, <i>Cell</i> , 18:681-694 (1979).		
	*	Rice, <i>Cell</i> , 11:417-422 (1977).		
	*	Simon, <i>Cell</i> , 40:677-683 (1985).		
	*	Steven, <i>J. of Structural Biology</i> , 104:150-162 (1990).		
	*	Steven, M. et al., <i>J. Cell Science</i> , 107:693-700 (1994).		

EXAMINER

DATE CONSIDERED

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/359,920, filed July 22, 1999, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]